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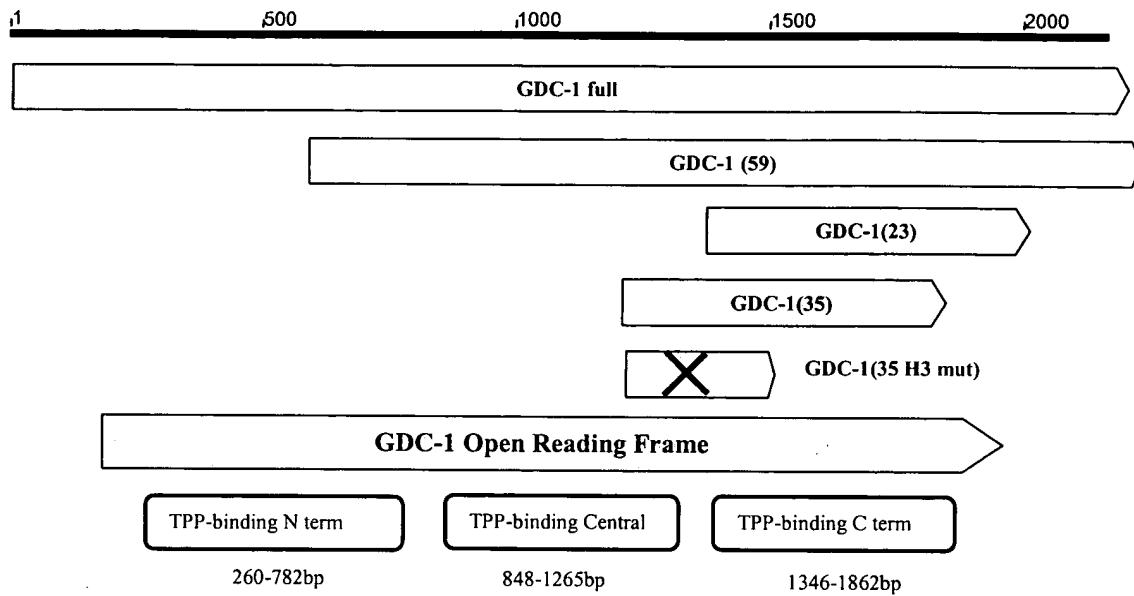


FIG. 1

	*	20	*	40	*	60	*	
GDC-1(full)	:	MASINIRVNQNLQPMDVAEYLFRRLHEIGIRSIHGLPGDYNPLALDYLPSCLRVUVGSVNELNAAAYAADGYARVK						: 75
GDC-1_(23)	:	-----						: -
GDC-1_(35)	:	-----						: -
GDC-1_(59)	:	-----						: -
	*							
	80	*	100	*	120	*	140	*
GDC-1(full)	:	QM GALITTFGVGELSAINGVAGAFSEHVPVVHIVCCPSTASQRNGMLLHHTLGNQDFNIFANMSAQISCEVAKLT						: 150
GDC-1_(23)	:	-----						: -
GDC-1_(35)	:	-----						: -
GDC-1_(59)	:	-----RNGMLLHHTLGNQDFNIFANMSAQISCEVAKLT						: 33
	*							
	160	*	180	*	200	*	220	*
GDC-1(full)	:	NPAEIAATQIDHALRVCFIRSRPVYIMLPTDMVQAKVEGARLKEPIDLSEPPNDPEKEAYVVDVVKYLRAAKNPV						: 225
GDC-1_(23)	:	-----						: -
GDC-1_(35)	:	-----						: -
GDC-1_(59)	:	NPAEIAATQIDHALRVCFIRSRPVYIMLPTDMVQAKVEGARLKEPIDLSEPPNDPEKEAYVVDVVKYLRAAKNPV						: 108
	*							
	240	*	260	*	280	*	300	*
GDC-1(full)	:	ILVDACAIRHRVLDEVHDLIEKTNLPVFTPMGKAVNEEHTYGGVYAGDGSHPPQVKDMVESSDLIITIGALK						: 300
GDC-1_(23)	:	-----						: -
GDC-1_(35)	:	-----						: -
GDC-1_(59)	:	ILVDACAIRHRVLDEVHDLIEKTNLPVFTPMGKAVNEEHTYGGVYAGDGSHPPQVKDMVESSDLIITIGALK						: 183
	*							
	320	*	340	*	360	*		
GDC-1(full)	:	SDFTNTAGFSYRTSQLNTIDLHSDDHCIVKYSTYPGVQMRGVLRQVIKOLDASEINAQPAPVVEMEVAKNRDMSPVI						: 375
GDC-1_(23)	:	-----						: -
GDC-1_(35)	:	-----TYPGVQMRGVLRQVIKOLDASEINAQPAPVVEMEVAKNRDMSPVI						: 45
GDC-1_(59)	:	SDFTNTAGFSYRTSQLNTIDLHSDDHCIVKYSTYPGVQMRGVLRQVIKOLDASEINAQPAPVVEMEVAKNRDMSPVI						: 258
	typgvqmrgrvqvlrqvikoldaseinaqpapvvevnevaknrndnspvi							
	*							
	380	*	400	*	420	*	440	*
GDC-1(full)	:	TQAFFWPRVGEFLKKMDIVITETGTANFGIWDITKFPMSGVTALSQVLUGSIGWGSVVGACQGAVLAAADDNSDRRTIL						: 450
GDC-1_(23)	:	---FFWPRVGEFLKKMDIVITETGTANFGIWDITKFPMSGVTALSQVLUGSIGWGSVVGACQGAVLAAADDNSDRRTIL						: 72
GDC-1_(35)	:	TQAFFWPRVGEFLKKMDIVITETGTANFGIWDITKFPMSGVTALSQVLUGSIGWGSVVGACQGAVLAAADDNSDRRTIL						: 120
GDC-1_(59)	:	TQAFFWPRVGEFLKKMDIVITETGTANFGIWDITKFPMSGVTALSQVLUGSIGWGSVVGACQGAVLAAADDNSDRRTIL						: 333
	tqaffwprvgeflkkmdivitetgtanfgiwditkfpmsgvtalsqlugsigwgsvvgacqgavlaaaddnsdrrtil							
	*							
	460	*	480	*	500	*	520	*
GDC-1(full)	:	FVGDGFSFQLTAQELSTMIRLKPKIIFVICNDGFTIERFIHGMEAELYNDIANWDFKALVDVFGGSKTAKKFAVKT						: 525
GDC-1_(23)	:	FVGDGFSFQLTAQELSTMIRLKPKIIFVICNDGFTIERFIHGMEAELYNDIANWDFKALVDVFGGSKTAKKFAVKT						: 147
GDC-1_(35)	:	FVGDGFSFQLTAQELSTMIRLKPKIIFVICNDGFTIERFIHGMEAELYNDIANWDFKALVDVFGGSKTAKKFAVKT						: 195
GDC-1_(59)	:	FVGDGFSFQLTAQELSTMIRLKPKIIFVICNDGFTIERFIHGMEAELYNDIANWDFKALVDVFGGSKTAKKFAVKT						: 408
	FVGDGFSFQLTAQELSTMIRLKPKIIFVICNDGFTIERFIHGMEAELYNDIANWDFKALVDVFGGSKTAKKFAVKT							
	*							
	540	*	560	*				
GDC-1(full)	:	KDELDSLLTDPTFWAAECLQFVELYMPKEDAPRALIMTAEASARNNAKTE						: 575
GDC-1_(23)	:	KDELDSLLTDPTFWAAECLQFVELYMPKEDAPRALIMTAEASARNNAKTE						: 197
GDC-1_(35)	:	KDELDSLLTDPTFWAAECLQFVELYMPKEDAPRALIMTAEASARNNAKTE						: 226
GDC-1_(59)	:	KDELDSLLTDPTFWAAECLQFVELYMPKEDAPRALIMTAEASARNNAKTE						: 458
	KDELDSLLTDPTFWAAECLQFVELYMPKEDAPRALIMTAEASARNNAKTE							

GDC-1(full)	*: 20 * 40 * 60 * MASINIRVQNLEQPMDVAEYLERRLHEIGCISIMGLPGVIMPLAEDYIPECG-DEMVCVHLNAAYAADGYARV : 74	Ylf r1 6 36 g pgDSN* L1 6 6 U Gn NELNA YAADGYAR6
A_oryzae-PDC	: -----MSLSTSSGDVFVUAFVQYTFWFLSINAPADYVNLVALDYLPEKGD-LHMYCNCMELNACYAADGYARI : 66	
E._nidulans_PDC	: --MADIATRDYRQPDIAEYLFRRIHEWGICR5VHGVPGDYNLAALDYLPEKGG-LHMYCNCMELNACYAADGYARV : 72	
S.cer_PDC1	: -----MSEITLGLKYLFERIKQVNWTVFGLPGDFMISLLDKIYEVEGARIMAGJAMELNARYAADGYARI : 64	
S.cer_PDC5	: -----MSEITLGLKYLFERISQVNCTWVGLPGDFMISLLDKIYEVEKGRIMAGJAMELNARYAADGYARI : 64	
		g 6 U Gn NELNA YAADGYAR6
GDC-1(full)	*: 80 * 100 * 120 * 140 * KMGALITTFGVGELSAIMVAGAFSEHVPVWHIVGCPSTASQRNGCILHHTLGNGDPEIFANMSAQISCEVAKL : 149	
A_oryzae-PDC	: NGMSALVTTFGVGELSAIMVAGAFSEHVPVWHIVGCPSTASQRNGCILHHTLGNGDPEIFANMSAQISCEVAKL : 141	
E._nidulans_PDC	: MGIAALVTTFGVGELSAIMVAGAFSEHVPVWHIVGCPSTASQRNGCILHHTLGNGDPEIFANMSAQISCEVAKL : 147	
S.cer_PDC1	: AGMSCLITTFGVGELSAIMVAGAFSEHVPVWHIVGCPSTASQRNGCILHHTLGNGDPEIFANMSAQISCEVAKL : 139	
S.cer_PDC5	: AGMSCLITTFGVGELSAIMVAGAFSEHVPVWHIVGCPSTASQRNGCILHHTLGNGDPEIFANMSAQISCEVAKL : 139	
		g6 66TTFGVGELSA6N 6AG 5 E V 66H6VG P *SQ 6LLHHTLGNGD5 6F Msa IS t a 6
GDC-1(full)	*: 160 * 180 * 200 * 220 * IMPAAEIAVQDIDHALFWCFTSRPVYIMLPIDMVOAKMEGARDKEFIDLSECPMDPEEKEDYVWDVVLKYLRA--AK : 222	
A_oryzae-PDC	: NSTHEVATLIDVIAIFEGEWRSPVYISLPIDMVTKKIEGERIDDTPLDSLPEPMDPEEKEDYVWDVVLKYLRA--AK : 214	
E._nidulans_PDC	: MDTYDAAFLIDVIAIFEGEWRSPVYALPDMITKKIEGERIKTPIDLSLPANDPEKEDYVWDARAQWFARSAK : 222	
S.cer_PDC1	: IDICCTAAPEIDRCIETITVTORPVYLGFLPAMLVDLNWPAKLUQTPIDMSLKPFDAESEKEWIDTILVLAKD--AK : 212	
S.cer_PDC5	: IDIRNAAPEIDRCIETITVTORPVYLGFLPAMLVDLNWPAKLUQTPIDMSLKPFDAESEKEWIDTILVLAKD--AK : 212	
		ID 6R 5 RPVY6 LP 166 6 L tP6D6S1 pND E E V6 AK
GDC-1(full)	*: 240 * 260 * 280 * 300 * MPVILVADACAIHR---WEDVEDLIEKNDLPLVWTFPHGKCAVNEDEHPTYGGVYAGDCHPPQWIDMWEESDLI : 293	
A_oryzae-PDC	: MPVILVADACAIHR---WEDVEDLIEKNDLPLVWTFPHGKCAVNEDEHPTYGGVYAGDCHPPQWIDMWEESDLI : 284	
E._nidulans_PDC	: MPVILVDDSEVFDDSTGLSIEEVDLIEVSGLPTFVAPMGKCAVNEDEHPTYGGVYAGDCHPPQWIDMWEESDLI : 296	
S.cer_PDC1	: MPVILVADACGSRD---VKAETKKLIDPQDFPAFVTPHGRGSISDOPHRYYGGVYVETLSKPEWKEAWESADLI : 282	
S.cer_PDC5	: MPVILVADACGSRD---VKAETKKLIDPQDFPAFVTPHGRGSISDOPHRYYGGVYVETLSRPEWKEAWESADLI : 282	
		nPVIL Dac rh v E 16 3 P 5V PMGKGA6 E H YGGVY Gt S P V4 VES DLI
GDC-1(full)	*: 320 * 340 * 360 * LTIGALKSDFNTIAGFSYRTSOLWIDLHSIDCIIWVSTYFVQVQHGLVROLWIKOLDASEIINAQDAPV-VENEVAK : 367	
A_oryzae-PDC	: LSIGAIKSDFNTIAGFSYRTGQWIDLDFHSTYVRFVYSEYIDHNMVGLQKIVQRMGNJWVGPVSPPS-NLLEPDNE : 358	
E._nidulans_PDC	: LSIGAIKSDFNTIAGFSYRTGQWIDLDFHSTYVRFVYSEYIDHNMVGLQKIVQRMGNJWVGPVSPPS-NLLEPDNE : 370	
S.cer_PDC1	: LSGVALLSDFNTIAGFSYRTGQWIDLDFHSTYVRFVYSEYIDHNMVGLQKIVQRMGNJWVGPVSPPS-NLLEPDNE : 357	
S.cer_PDC5	: LSIGAIKSDFNTIAGFSYRTGQWIDLDFHSTYVRFVYSEYIDHNMVGLQKIVQRMGNJWVGPVSPPS-NLLEPDNE : 357	
		L36GA6 SDFNT FSY N 6 fH3 64 5P M4 vL k66 6 p p
GDC-1(full)	*: 380 * 400 * 420 * 440 * 460 * NRDNPSPVITQADPMPRVSFPLKNDIVIETGTANFGCIUDKFFSGUTALSQVLWGSIGMSVGAQGQGAVLAADD : 442	
A_oryzae-PDC	: KASTEQAIQHAWLMPITWCGMLKEDDVVIEETGTANFGCIUDKFFSGUTALSQVLWGSIGMSVGAQGQGAVLAADD : 433	
E._nidulans_PDC	: KNSSEQRHAWLMPITWCGMLKEDDVVIEETGTANFGCIUDKFFSGUTALSQVLWGSIGMSVGAQGQGAVLAADD : 445	
S.cer_PDC1	: AVPASTPLKQEWLNLNOLGMLQECUWVIAETGTSAFGINQITFPNNTYCGISQVLWGSIGFTIAGTLAGAFAAEQI : 432	
S.cer_PDC5	: STPANTPLKQEWLNLNOLGMLRECHVIAETGTSAFGINQITFPNNTYCGISQVLWGSIGFTIAGTLAGAFAAEQI : 432	
		6 5 W 6G 5L e D6V1 ETGT FGI t fP 6sQVLWGSIG53vGA GA AA e
GDC-1(full)	*: 480 * 500 * 520 * NSDFFIILFVGDGGSFQLTAQELSTHIFLKLKPFIFWIEQGFTIEREIHGMEAYVMDIAMMDFKALYDVFGGSKT : 517	
A_oryzae-PDC	: G--FPIWLVWVGDGGSFQLTAQELSTHIFLKLKPFIFWIEQGFTIEREIHGMEAYVMDIAMMDFKALYDVFGGSKT : 506	
E._nidulans_PDC	: GN-FPIWLVWVGDGGSFQLTAQELSTHIFLKLKPFIFWIEQGFTIEREIHGMEAYVMDIAMMDFKALYDVFGGSKT : 519	
S.cer_PDC1	: DPKIFVILFIGDGSEFQLTAQELSTHIFLKLKPFIFWIEQGFTIEREIHGMEAYVMDIAMMDFKALYDVFGGSKT : 506	
S.cer_PDC5	: DPKIFVILFIGDGSEFQLTAQELSTHIFLKLKPFIFWIEQGFTIEREIHGMEAYVMDIAMMDFKALYDVFGGSKT : 506	
		4R 6L56GDGS QLT QE6STMIR L P 6F6 n G5TIE4 IHG a YN Iq UD 6 FG
GDC-1(full)	*: 540 * 560 * 580 * AKKFAKTKDKEDDSLITDPTPNTNAAEGLQFVEYMPKEDAPRAEDMTEASARNNAKTE : 575	
A_oryzae-PDC	: WKGKQWTTDRDCERELFAAEEFASAPGLOFEIDSRIGR----- : 543	
E._nidulans_PDC	: WKGKQWTTDRDCERELFAAEEFASAPGLOFEIDSRIGR----- : 566	
S.cer_PDC1	: YETHRWATTGEWDXLITOKSFDNSKIRNIEVMFVFDAPQNLVEQAKLTAATNAK0- : 563	
S.cer_PDC5	: YETHRWATTGEWDXLITOKSFDNSKIRNIEVMFVFDAPQNLVEQAKLTAATNAK0- : 563	
		Y V T E L F 6

FIG. 3

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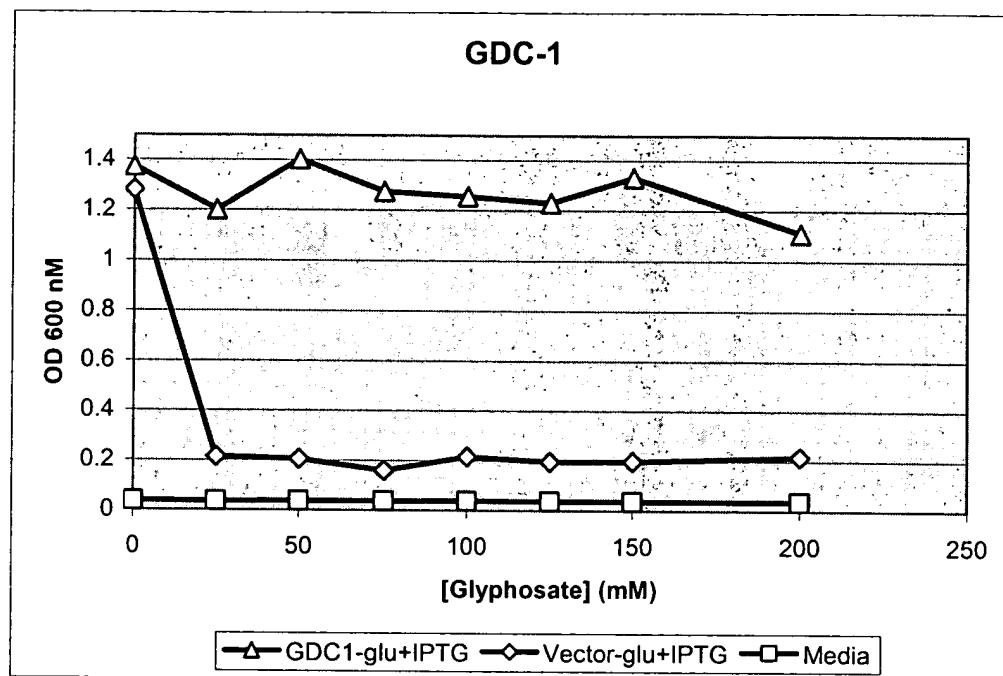
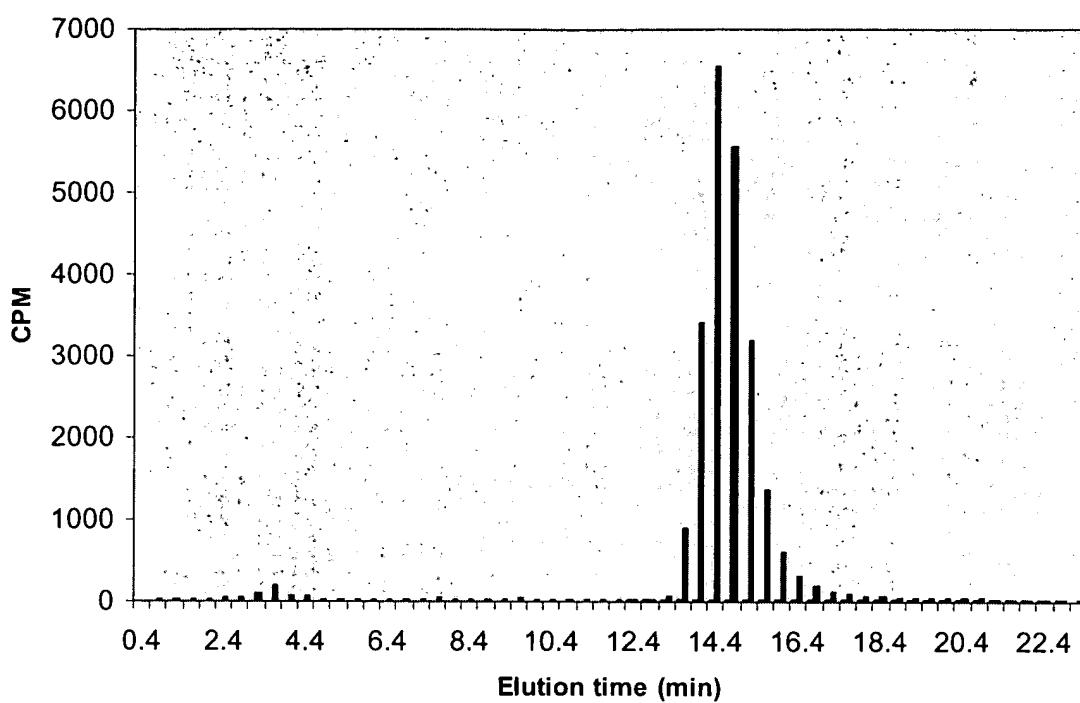


FIG. 4

A.

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B.

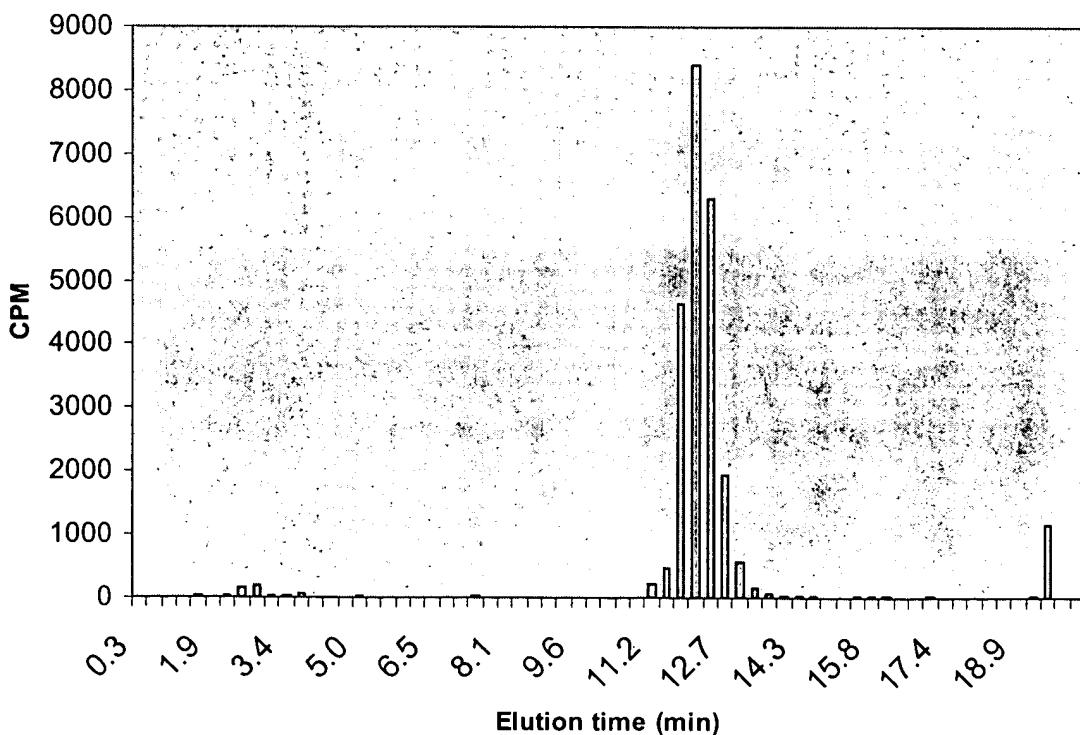


FIG. 5